ANTHOCYANIN BIOSYNTHESIS

Flavonoid biosynthesis

Pelargonidin
BZ1 2.4.1.115
3MaT1 2.3.1.171
3MaT2 2.3.1.-
Pelargonidin 3-(3",6"-dimalonyl)glucoside
Pelargonidin 3-malonyl-glucoside
3GGT 2.4.1.297
Pelargonidin 3-sophoroside
3RT 2.4.1.-
Pelargonidin 3-rutinoside
2.4.1.116
Pelargonidin 3-rutinoside 5-glucoside
2.4.1.300
Pelargonidin 3,7-di-O-beta-D-glucoside
2.4.2.51
2.4.1.295
Pelargonidin-5-glucoside-3-sambubioside
Pelargonidin-3-sambubioside
Pelargonidin 3-(6-p-coumaroyl)glucoside
3AT 2.3.1.215
5MaT1 2.3.1.172
5MaT2 2.3.1.214
Salvianin
Bisdemalonyl-salvianin
Monodemalonyl-salvianin
Pelargonidin 3-glucoside
UGT75C1 2.4.1.298
2.4.1.299
Pelargonidin 3-(6-p-caffeoyl)-glucoside
Pelargonidin 3,5-diglucoside
3AT 2.3.1.215
5AT 2.3.1.153
Pelargonidin 3-glucoside 5-coumaroylglucoside
Pelargonidin 3-glucoside 5-caffeoylglucoside

Cyanidin
BZ1 2.4.1.115
3MaT2 2.3.1.-
Cyanidin 3-(3",6"-dimalonyl)glucoside
3MaT1 2.3.1.171
UGAT 2.4.1.254
Cyanidin-3-(6"-malonyl-2"-glucuronyl)glucoside
Cyanidin 3-malonyl-glucoside
2.4.1.254
Cyanidin 3-(2-glucuronosyl)-glucoside
3GGT 2.4.1.297
Cyanidin 3-sophoroside
2.4.1.300
Cyanidin 3,7-diglucoside
Peonidin 3-glucoside
2.4.2.51
2.4.1.295
Cyanidin-5-glucoside-3-sambubioside
Cyanidin-3-sambubioside
2.4.1.116
Cyanidin-3-rutinoside 5-glucoside
3RT 2.4.1.-
Mt1/Mt2 2.1.1.-
Peonidin 3-(p-coumaroyl)rutinoside-5-glucoside
Cyanidin 3-glucoside
Cyanidin 3-rutinoside
Cyanidin 3-(p-coumaroyl)rutinoside-5-glucoside
Cyanidin 3-(6-p-coumaroyl)glucoside
Shisonin
3AT 2.3.1.215
2.4.1.298
23.1.172
5MaT1
Malonylshisonin
UGT75C1 2.4.1.298
2.4.1.299
Cyanidin 3-(6-p-caffeoyl)glucoside
GT1 2.4.1.-
Cyanidin 5-glucoside
Cyanidin 3,5-diglucoside
3AT 2.3.1.215
5AT 2.3.1.153
Cyanidin 3-glucoside 5-coumaroylglucoside
Cyanidin 3-glucoside 5-caffeoylglucoside

Delphinidin
BZ1 2.4.1.115
3MaT2 2.3.1.-
Delphinidin 3-(3",6"-dimalonyl)glucoside
3MaT1 2.3.1.171
3'GT 2.4.1.238
2.4.1.249
Ternatin C5
Ternatin A1
Delphinidin 3-malonyl-glucoside
Delphinidin 3-(6"-malonyl-glucoside)3'-glucoside
3GGT 2.4.1.297
Delphinidin 3-sophoroside
2.4.1.300
Delphinidin 3,7-di-O-beta-D-glucoside
Petunidin 3-glucoside
Malvidin 3-glucoside
2.4.2.51
2.4.1.295
Delphinidin-5-glucoside-3-sambubioside
Delphinidin-3-sambubioside
Mf1/Mf2 2.1.1.-
Mt1/Mt2 2.1.1.-
Malvidin 3-(p-coumaroyl)-rutinoside-5-glucoside
3RT 2.4.1.-
Delphinidin 3-glucoside
Delphinidin 3-rutinoside
Delphinidin 3-(p-coumaroyl)-rutinoside-5-glucoside
Petunidin 3-(p-coumaroyl)-rutinoside-5-glucoside
3AT 2.3.1.215
Delphinidin 3-(6-p-coumaroyl)glucoside
Delphinidin 3-O-(6-p-caffeoyl)glucoside
UGT75C1 2.4.1.298
2.4.1.299
Delphinidin 3,5-diglucoside
3'GT 2.4.1.238
Delphinidin 3,5,3'-triglucoside
5AT 2.3.1.153
Delphinidin 3-glucoside 5-coumaroylglucoside
Delphinidin 3-glucoside 5-caffoylglucoside
Albireodelphin
2.3.1.-
Gentiodelphin

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